

## CTR Employer Survey Report

Thank you for completing your Commute Trip Reduction survey. This report contains the survey results.

**Employer Id :** E81541

**Participation :** CTR

**Employer :** The Boeing Company

**Status :** Affected

**Worksite :** The Boeing Company - Everett Modification Center (45-344 Building)

**Survey Type :** Online

**Street :** 3100 112 St Sw

**Response Rate :** 48%

**Jurisdiction :** Unincorporated Snohomish County

**Survey Date :** 5/18/2018

### Non-Drive Alone & One-Way VMT Rates at this Worksite

**Non-Drive Alone Rate :** 16.2%

**Drive Alone Rate :** 83.8%

**One-Way VMT per employee :** 17.7

**Average One-Way distance home to work :** 20.4

### Employees and Survey Response Information

**Reported Total Employees at Worksite:** 1,883

**Surveys Distributed :** 1,144

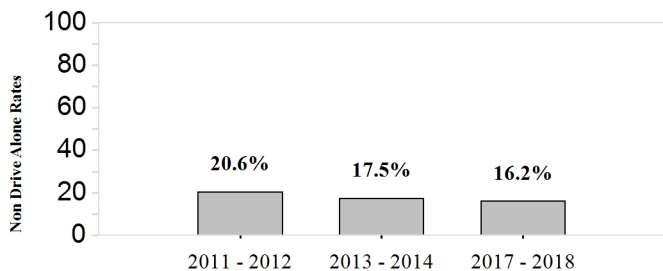
**Surveys Returned :** 544

**Surveys Returned by CTR Affected\* Employees :** 354

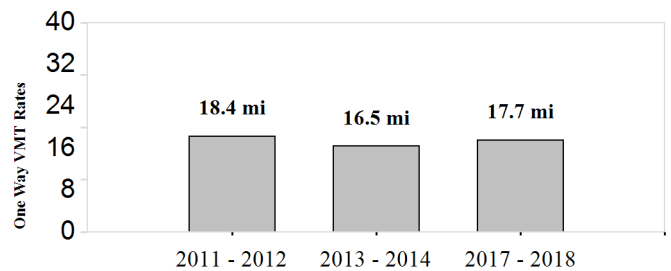
**Total Estimated CTR Affected Employees at Worksite :** 744

*\*CTR Affected employees filled out the survey as being full-time and commuting (typically) to work at least twice between 6a and 9a, Monday through Friday.*

**Non Drive Alone Rates - ALL Employees**



**One Way VMT per Employee - ALL Employees**



### Site History and Targets

**Annual Metric Tons CO<sub>2</sub>e Pounds CO<sub>2</sub>e**

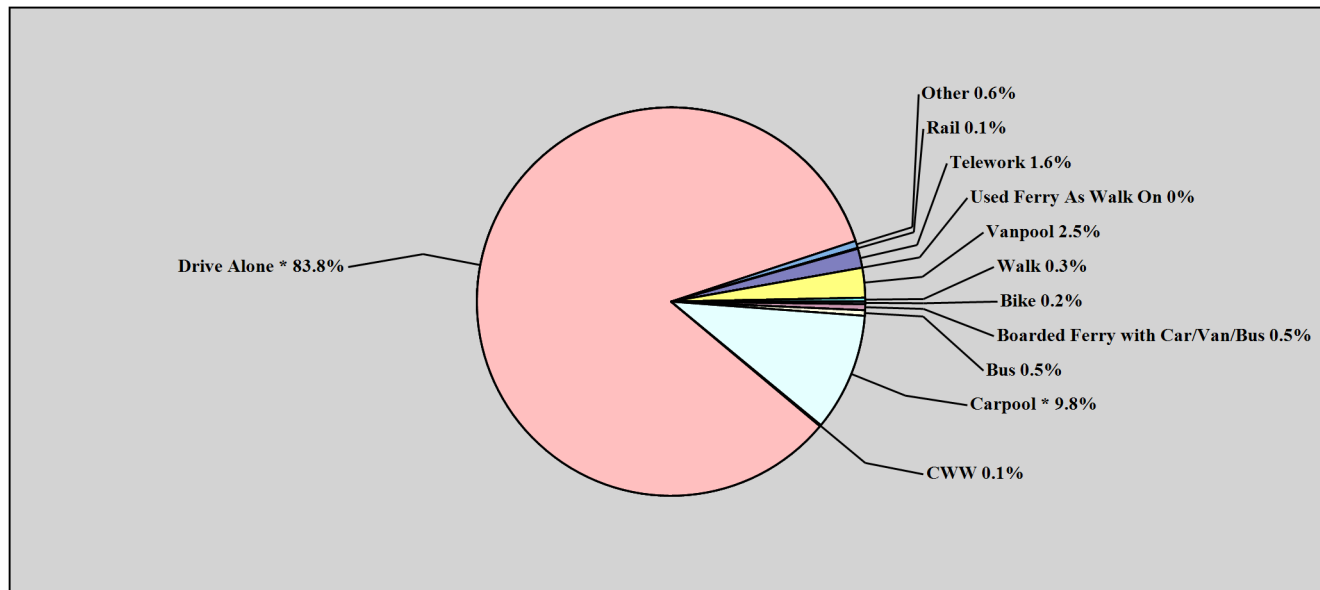
Cycle	Non Drive Alone Rate - All	Non Drive Alone Rate - CTR Affected	Emissions for Surveyed Employees	Estimated Emissions for Total Employment	GHG per Employee's Roundtrip	VMT per Employee - All	VMT per Employee - CTR Affected
2007 - 2008	N/A	N/A	N/A	N/A	N/A	N/A	N/A
2009 - 2010	N/A	N/A	N/A	N/A	N/A	N/A	N/A
2011 - 2012	20.6%	22.0%	1062	13263	62.1	18.4	18.0
2013 - 2014	17.5%	19.5%	2397	5279	24.7	16.5	15.3
2015 - 2016	N/A	N/A	N/A	N/A	N/A	N/A	N/A
2017 - 2018	16.2%	16.6%	2219	7682	36.0	17.7	17.5
Target	26.6%				Target:	15.1	
% Point Change Target:	6.0				% Change Target:	-18.0%	
% Point Change from Baseline:	-4.4				% Change from Baseline:	-3.8%	

GHG calculations are based on VMT and estimated total round-trip commutes for all employees. Modes that contribute to GHG include driving alone, carpooling, vanpooling, and riding a motorcycle. The use of other modes (e.g., transit, rail, walking, ferry) do not increase a worksite's GHG calculation. For more information about how GHG is calculated, please contact your jurisdiction's representative.

## Commute Trips By Mode - All Employees

Q.4: Last week, what type of transportation did you use each day to commute TO your usual work location? (Mode used for the longest distance.)

Mode Split - All Employees



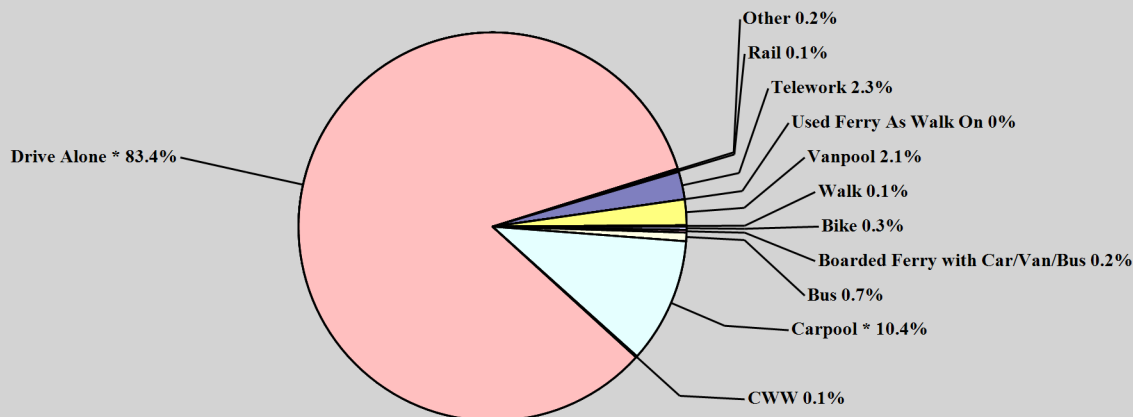
Mode	Trips During This Survey	% of Trips During This Survey	% of Trips During Previous Survey	Employees Who Used This Mode at Least Once During This Survey	% of Employees Who Used This Mode at Least Once During This Survey	% of Employees Who Used This Mode at Least Once During Previous Survey
Drive Alone *	2,367	83.8%	82.5%	487	89.5%	86.7%
Carpool *	277	9.8%	11.8%	66	12.1%	14.2%
Vanpool	70	2.5%	2.4%	16	2.9%	2.9%
Bus	13	0.5%	0.3%	3	0.6%	0.5%
Rail	2	0.1%	0.0%	1	0.2%	0.0%
Bike	6	0.2%	0.6%	3	0.6%	1.0%
Walk	9	0.3%	0.0%	3	0.6%	0.0%
Telework	45	1.6%	0.0%	31	5.7%	0.2%
CWW	3	0.1%	0.1%	3	0.6%	0.2%
Boarded Ferry with Car/Van/Bus	14	0.5%	0.9%	3	0.6%	1.2%
Used Ferry As Walk On	0	0.0%	0.0%	0	0.0%	0.0%
Other	17	0.6%	1.3%	5	0.9%	1.7%

\* Motorcycle-1 is now included in Drive Alone and Motorcycle-2 is included in Carpool. Information about these trips is still available by request.

## Commute Trips By Mode - Affected Employees

Q.4: Last week, what type of transportation did you use each day to commute TO your usual work location? (Mode used for the longest distance.)

Mode Split - CTR Affected Employees



Mode	Trips During This Survey	% of Trips During This Survey	% of Trips During Previous Survey	Employees Who Used This Mode at Least Once During This Survey	% of Employees Who Used This Mode at Least Once During This Survey	% of Employees Who Used This Mode at Least Once During Previous Survey
Drive Alone *	1,519	83.4%	80.5%	320	90.4%	84.9%
Carpool *	190	10.4%	12.2%	47	13.3%	15.1%
Vanpool	39	2.1%	3.2%	9	2.5%	4.0%
Bus	13	0.7%	1.0%	3	0.8%	1.5%
Rail	2	0.1%	0.0%	1	0.3%	0.0%
Bike	5	0.3%	0.6%	2	0.6%	1.0%
Walk	2	0.1%	0.0%	2	0.6%	0.0%
Telework	42	2.3%	0.1%	28	7.9%	0.5%
CWW	2	0.1%	0.0%	2	0.6%	0.0%
Boarded Ferry with Car/Van/Bus	4	0.2%	1.4%	1	0.3%	1.5%
Used Ferry As Walk On	0	0.0%	0.0%	0	0.0%	0.0%
Other	3	0.2%	1.0%	2	0.6%	1.5%

\* Motorcycle-1 is now included in Drive Alone and Motorcycle-2 is included in Carpool. Information about these trips is still available by request.

**Alternative Modes - Number of Employees Who Used a Non-Drive Alone Mode:**

Non-Drive Alone Number Of Days	Exactly this # of Employees	Exactly this % of Employees	At least # of Employees	At least % of employees
<b>0 Day</b>	424	78%	544	100%
<b>1 Days</b>	22	4%	120	22%
<b>2 Days</b>	12	2%	98	18%
<b>3 Days</b>	10	2%	86	16%
<b>4 Days</b>	16	3%	76	14%
<b>5 Days</b>	49	9%	60	11%
<b>6 or More Days</b>	11	2%	11	2%

**Count by Occupancy of Carpools and Vanpools**

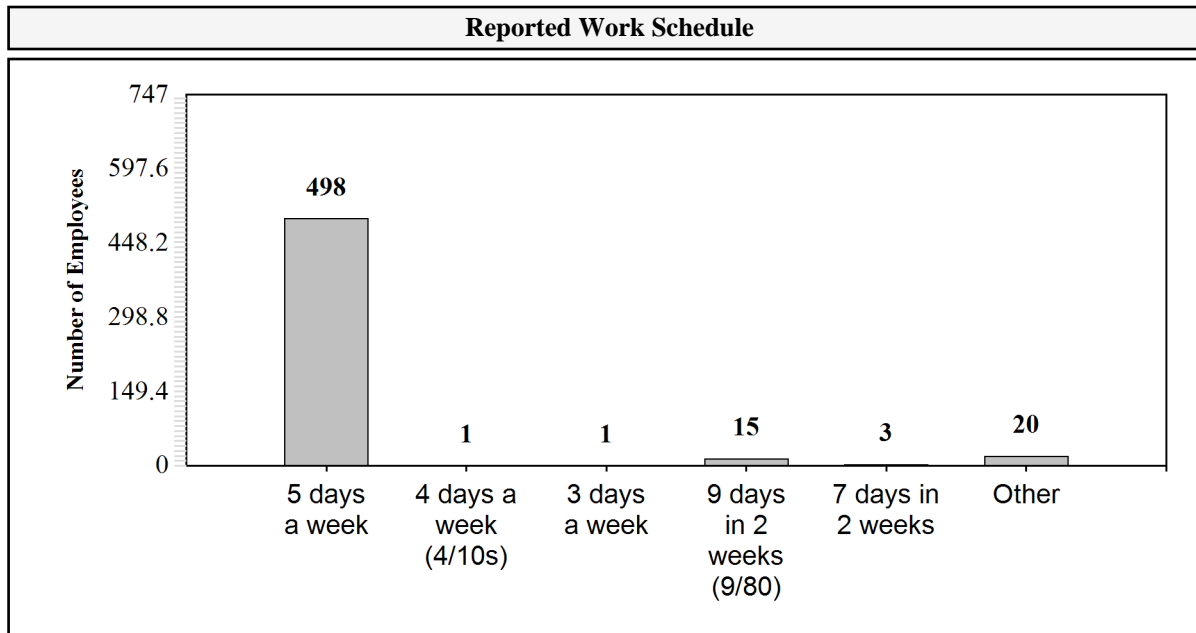
Q.5 If you used a carpool or vanpool as part of your commute, how many people (age 16 or older) are usually in the vehicle?

Ridesharing Occupancy	Mode	Response Count
<b>2*</b>	Carpool	277
<b>3</b>	Carpool	0
<b>4</b>	Carpool	0
<b>5</b>	Carpool	0
<b>&gt;5</b>	Carpool	0
<b>&lt;5</b>	Vanpool	14
<b>5</b>	Vanpool	20
<b>6</b>	Vanpool	15
<b>7</b>	Vanpool	3
<b>8</b>	Vanpool	18
<b>9</b>	Vanpool	0
<b>10</b>	Vanpool	0
<b>11</b>	Vanpool	0
<b>12</b>	Vanpool	0
<b>13</b>	Vanpool	0
<b>14</b>	Vanpool	0
<b>&gt;14</b>	Vanpool	0

\* Motorcycle-2 counted with Carpool-2 for this table.

## Reported Work Schedule - All Employees

Q.8 Which of the following best describes your work schedule?

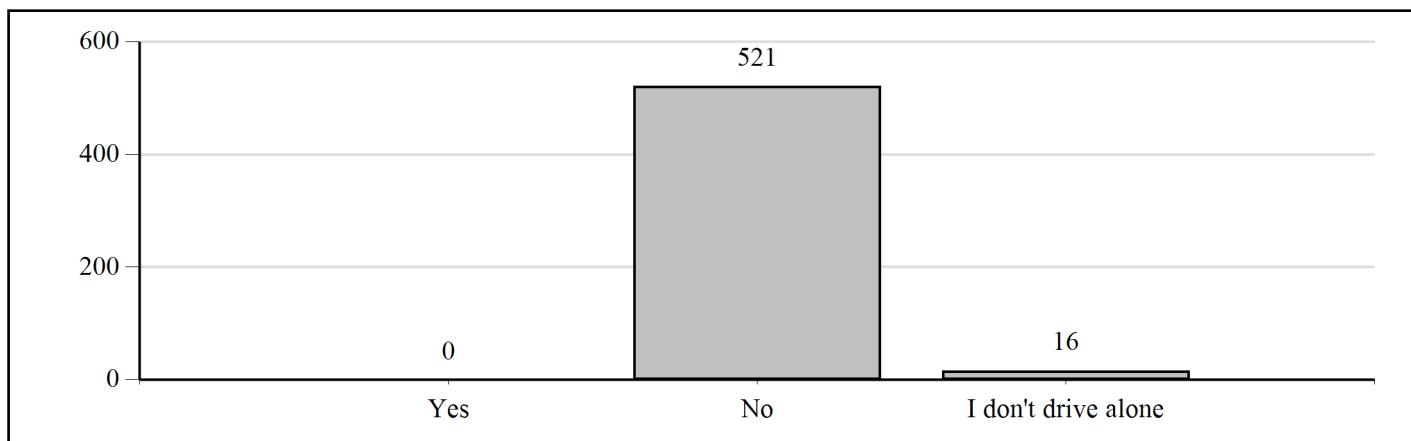


Reported Work Schedule	# Of Responses	% Of Employees
5 days a week	498	92.6%
4 days a week (4/10s)	1	0.2%
3 days a week	1	0.2%
9 days in 2 weeks (9/80)	15	2.8%
7 days in 2 weeks	3	0.6%
Other	20	3.7%



## Parking and Telework

**Q.9: On the most recent day that you drove alone to work, did you pay to park? (Mark "yes" if you paid that day, if you prepaid, if you are billed later, or if the cost of parking is deducted from your paycheck.)**



**Q.10: How many days do you typically telework?**

Telework Frequency	# of Responses	% of Responses
No Answer/Blank	5	0.9%
I don't telework	369	67.8%
Occasionally, on an as-needed basis	121	22.2%
1-2 days/month	15	2.8%
1 day/week	25	4.6%
2 days/week	5	0.9%
3 days/week	4	0.7%

## Reasons for driving alone to work/not driving alone to work

Q11. When you do not drive alone to work, what are the three most important reasons?

Question Text	# of Responses	% of Responses
To save money	165	16.7%
Other	131	13.3%
To save time using the HOV lane	116	11.8%
Personal health or well-being	99	10.0%
I have the option of teleworking	82	8.3%
Financial incentives for carpooling, bicycling or walking.	81	8.2%
Environmental and community benefits	68	6.9%
Cost of parking or lack of parking	51	5.2%
Preferred/reserved carpool/vanpool parking is provided	49	5.0%
Free or subsidized bus, train, vanpool pass or fare benefit	48	4.9%
Driving myself is not an option	48	4.9%
Emergency ride home is provided	42	4.3%
I receive a financial incentive for giving up my parking space	7	0.7%

Q12. When you drive alone to work, what are the three most important reasons?

Question Text	# of Responses	% of Responses
I like the convenience of having my car	343	26.2%
Riding the bus or train is inconvenient or takes too long	327	25.0%
Family care or similar obligations	163	12.5%
My commute distance is too short	146	11.2%
Other	136	10.4%
Bicycling or walking isn't safe	90	6.9%
My job requires me to use my car for work	46	3.5%
I need more information on alternative modes	44	3.4%
There isn't any secure or covered bicycle parking	12	0.9%

## Commute Mode By ZipCode for All Employees

Q6. What is your home zip code?

Home Zip code	Total Employees	Employee Percentage	Weekly Count of Trips By Mode												
			Drive Alone	Carpool	Vanpool	Motorcycle	Bus	Train	Bike	Walk	Telework	CWW	Ferry (Car/Van/Bus)	Ferry (walk-on)	Other
98208	40	7.35%	183	19	0	9	0	0	1	1	1	0	0	0	0
98270	38	6.99%	161	32	0	5	0	0	0	0	4	1	0	0	2
98258	37	6.80%	163	28	0	0	0	0	0	0	0	0	0	0	5
98223	29	5.33%	120	29	5	4	0	0	0	0	2	0	0	0	0
98012	26	4.78%	118	12	0	5	0	0	0	0	0	0	0	0	0
98203	25	4.60%	112	20	0	0	0	0	0	0	0	0	0	0	0
98204	22	4.04%	91	20	0	0	0	0	0	0	0	0	0	0	0
98275	21	3.86%	98	5	0	0	0	0	4	0	0	0	0	0	0
98292	18	3.31%	101	3	0	0	0	0	0	0	0	0	0	0	0
98087	14	2.57%	75	0	0	0	0	0	0	0	1	0	0	0	0
98282	13	2.39%	52	17	0	0	0	0	0	0	1	0	0	0	0
98290	13	2.39%	67	1	0	0	0	0	0	0	0	0	0	0	0
98296	13	2.39%	51	6	0	2	0	0	0	0	2	0	0	0	1
98026	12	2.21%	56	4	0	0	0	0	0	0	0	0	0	0	0
98036	12	2.21%	55	0	0	2	0	0	0	0	0	0	0	0	0
98201	11	2.02%	39	5	0	6	5	0	0	0	0	0	0	0	0
98271	11	2.02%	51	3	0	0	0	0	0	0	1	0	0	0	0
98011	10	1.84%	44	3	0	3	0	0	0	0	2	0	0	0	0
98033	7	1.29%	31	2	2	0	0	0	0	0	0	0	0	0	0
98037	6	1.10%	26	5	0	0	0	0	0	0	0	0	0	0	0
98059	6	1.10%	25	0	0	0	0	0	0	0	4	0	0	0	0
98133	6	1.10%	29	0	0	0	0	0	0	0	1	0	0	0	0
98252	6	1.10%	23	5	0	5	0	0	0	0	0	0	0	0	0
98020	5	0.92%	22	0	0	0	0	0	0	0	3	0	0	0	0
98021	5	0.92%	23	1	4	0	0	0	0	0	0	0	0	0	0
98031	5	0.92%	14	0	9	0	0	0	0	0	0	0	0	0	0



Home Zip code	Total Employees	Employee Percentage	Weekly Count of Trips By Mode												
			Drive Alone	Carpool	Vanpool	Motorcycle	Bus	Train	Bike	Walk	Telework	CWW	Ferry (Car/Van/Bus)	Ferry (walk-on)	Other
98034	5	0.92%	20	3	0	0	0	0	0	0	0	0	0	0	0
98042	5	0.92%	20	0	0	0	0	0	0	0	3	0	0	0	2
98115	5	0.92%	25	0	0	0	0	0	0	0	0	0	0	0	0
98117	5	0.92%	25	0	0	0	0	0	0	0	0	0	0	0	0
	4	0.74%	10	5	2	0	0	0	0	0	0	0	0	0	0
98155	4	0.74%	17	5	0	0	0	0	0	0	0	0	0	0	0
98294	4	0.74%	20	0	0	0	0	0	0	0	0	0	0	0	0
98006	3	0.55%	8	4	0	0	0	0	0	0	0	0	0	0	0
98043	3	0.55%	11	1	0	3	0	0	0	0	0	0	0	0	0
98058	3	0.55%	5	8	0	0	0	0	1	0	2	0	0	0	0
98072	3	0.55%	16	0	0	0	0	0	0	1	0	0	0	0	0
98103	3	0.55%	15	0	0	0	0	0	0	0	0	0	0	0	0
98107	3	0.55%	15	0	0	0	0	0	0	0	0	0	0	0	0
98109	3	0.55%	3	10	0	0	0	0	0	0	0	0	0	0	0
98119	3	0.55%	8	0	0	0	5	0	0	0	1	1	0	0	0
98233	3	0.55%	15	0	0	0	0	0	0	0	1	0	0	0	0
98272	3	0.55%	16	0	0	0	0	0	0	0	0	0	0	0	0
98003	2	0.37%	5	4	0	0	0	0	0	0	1	0	0	0	0
98004	2	0.37%	7	0	0	0	0	0	0	0	0	1	0	0	0
98056	2	0.37%	10	0	0	0	0	0	0	0	0	0	0	0	0
98074	2	0.37%	5	0	5	0	0	0	0	0	0	0	0	0	0
98105	2	0.37%	10	0	0	0	0	0	0	0	0	0	0	0	0
98116	2	0.37%	10	0	0	0	0	0	0	0	0	0	0	0	0
98122	2	0.37%	10	0	0	0	0	0	0	0	0	0	0	0	0
98125	2	0.37%	11	0	0	0	0	0	0	0	0	0	0	0	0
98146	2	0.37%	9	0	0	0	0	0	0	0	1	0	0	0	0
98274	2	0.37%	5	4	0	0	0	0	0	0	0	0	0	0	0
98321	2	0.37%	7	0	0	0	3	2	0	0	0	0	0	0	0
98346	2	0.37%	0	0	11	0	0	0	0	0	0	0	0	0	0



Home Zip code	Total Employees	Employee Percentage	Weekly Count of Trips By Mode												
			Drive Alone	Carpool	Vanpool	Motorcycle	Bus	Train	Bike	Walk	Telework	CWW	Ferry (Car/Van/Bus)	Ferry (walk-on)	Other
00000	1	0.18%	0	0	0	0	0	0	0	0	0	0	0	0	7
98002	1	0.18%	2	3	0	0	0	0	0	0	0	0	0	0	0
98005	1	0.18%	4	0	0	0	0	0	0	0	1	0	0	0	0
98007	1	0.18%	0	0	5	0	0	0	0	0	0	0	0	0	0
98008	1	0.18%	5	0	0	0	0	0	0	0	0	0	0	0	0
98019	1	0.18%	5	0	0	0	0	0	0	0	0	0	0	0	0
98027	1	0.18%	5	0	0	0	0	0	0	0	0	0	0	0	0
98028	1	0.18%	5	0	0	0	0	0	0	0	0	0	0	0	0
98029	1	0.18%	0	0	5	0	0	0	0	0	0	0	0	0	0
98030	1	0.18%	6	0	0	0	0	0	0	0	0	0	0	0	0
98038	1	0.18%	4	0	0	0	0	0	0	0	0	0	0	0	0
98040	1	0.18%	0	0	4	0	0	0	0	0	1	0	0	0	0
98045	1	0.18%	5	0	0	0	0	0	0	0	0	0	0	0	0
98046	1	0.18%	5	0	0	0	0	0	0	0	0	0	0	0	0
98052	1	0.18%	5	0	0	0	0	0	0	0	0	0	0	0	0
98055	1	0.18%	5	0	0	0	0	0	0	0	0	0	0	0	0
98057	1	0.18%	1	2	0	0	0	0	0	0	2	0	0	0	0
98065	1	0.18%	5	0	0	0	0	0	0	0	0	0	0	0	0
98075	1	0.18%	5	0	0	0	0	0	0	0	0	0	0	0	0
98077	1	0.18%	0	5	0	0	0	0	0	0	0	0	0	0	0
98092	1	0.18%	2	0	0	2	0	0	0	0	2	0	0	0	0
98102	1	0.18%	5	0	0	0	0	0	0	0	0	0	0	0	0
98121	1	0.18%	5	0	0	0	0	0	0	0	0	0	0	0	0
98126	1	0.18%	4	0	0	0	0	0	0	0	1	0	0	0	0
98136	1	0.18%	5	0	0	0	0	0	0	0	0	0	0	0	0
98168	1	0.18%	5	0	0	0	0	0	0	0	0	0	0	0	0
98221	1	0.18%	0	0	0	0	0	0	0	7	0	0	0	0	0
98225	1	0.18%	4	0	0	0	0	0	0	0	0	0	0	0	0
98226	1	0.18%	5	0	0	0	0	0	0	0	0	0	0	0	0



			Weekly Count of Trips By Mode												
Home Zip code	Total Employees	Employee Percentage	Drive Alone	Carpool	Vanpool	Motorcycle	Bus	Train	Bike	Walk	Telework	CWW	Ferry (Car/Van/Bus)	Ferry (walk-on)	Other
98236	1	0.18%	5	0	0	0	0	0	0	0	0	0	0	0	0
98249	1	0.18%	0	0	0	0	0	0	0	0	0	0	5	0	0
98251	1	0.18%	6	0	0	0	0	0	0	0	0	0	0	0	0
98260	1	0.18%	0	0	0	0	0	0	0	0	1	0	4	0	0
98273	1	0.18%	6	0	0	0	0	0	0	0	0	0	0	0	0
98360	1	0.18%	4	0	0	0	0	0	0	0	0	0	0	0	0
98367	1	0.18%	0	0	0	0	0	0	0	0	0	0	5	0	0
98370	1	0.18%	0	0	5	0	0	0	0	0	0	0	0	0	0
98374	1	0.18%	5	0	0	0	0	0	0	0	0	0	0	0	0
98375	1	0.18%	0	0	5	0	0	0	0	0	0	0	0	0	0
98391	1	0.18%	2	0	3	0	0	0	0	0	0	0	0	0	0
98422	1	0.18%	5	0	0	0	0	0	0	0	0	0	0	0	0
98466	1	0.18%	5	0	0	0	0	0	0	0	0	0	0	0	0
98498	1	0.18%	2	0	5	0	0	0	0	0	0	0	0	0	0
98499	1	0.18%	4	0	0	0	0	0	0	0	1	0	0	0	0
98596	1	0.18%	0	0	0	0	0	0	0	0	5	0	0	0	0
98720	1	0.18%	5	0	0	0	0	0	0	0	0	0	0	0	0
99829	1	0.18%	5	0	0	0	0	0	0	0	0	0	0	0	0